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(54) MANDREL COATED WITH
POLYORGANOSILOXANE

(57) Abstract:

PURPOSE: To obtain a mandrel at a low running cost in its production by coating the surface of rubber with a polyorganosiloxane composition having a predetermined mean polymerization degree represented by a specified formula and thereafter crosslinking the polyorganosiloxane composition to adhere to the surface of rubber by crosslinking.

CONSTITUTION: The surface of rubber is coated with a polyorganosiloxane composition having 20 to 10000 of a mean polymerization degree, which is represented by a mean composition formula $R_aSiO_{(4-a)/2}$ (a represents a positive number of not less than 1.900 and not more than

2.100; 0.01 to 25mol% of R has an unsaturated group and/or a phenylketone group as an essential component, or contains these groups and at least one kind of substituents selected from among a hydrogen atom, a hydroxyl group, an alkoxy group and the like; and the rest of R is a 1-15C hydrocarbon group (but an unsaturated group is excepted) and/or a component substituted by a fluorine group). After this coating, the polyorganosiloxane composition is crosslinked and allowed to adhere to the surface of the rubber by crosslinking to obtain a mandrel. By this method, less power is required when the mandrel thus obtained is withdrawn, and equipment for irradiation of light costs cheap and the irradiation for a short period of time may be sufficient enough.

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